

◆ SENSITIVE // FOR OFFICIAL USE ONLY ◆

MARITIME INTELLIGENCE DOSSIER

Area of Interest Report — GULF OF KUTCH



FIGURE 1 — Full-scene SAR false-colour composite. R=VV · G=VH · B=Depol ratio. Circles mark all SAR detections.

MISSION ID	MISSION_GULF_OF_KUTCH_20260412T213702
AOI	GULF OF KUTCH
SCENE TIME	2026-04-12 21:37 UTC
TOTAL DETECTIONS	10
DARK VESSELS	0
UNCERTAIN	0
AIS MATCHED	0

PRODUCED	2026-05-26T16:21:10Z
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SECTION 01

Detection Summary

Scene acquired over **GULF OF KUTCH** on **2026-04-12 at 21:37 UTC**. Sentinel-1A IW GRD processed through the Dark Ships 5-phase calibration and YOLO detection pipeline. 10 vessel(s) resolved above confidence threshold.

ID	LAT	LON	CONF	STATUS	MMSI
DET-2026041221-GULF-000	4.7230	99.4748	65%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-001	4.1663	100.6406	56%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-002	5.5081	100.3746	46%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-003	5.6913	100.3552	45%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-004	4.5260	100.6265	45%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-005	5.4580	100.3093	44%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-006	5.4766	100.2535	42%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-007	6.2610	100.1936	39%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-008	5.2526	100.2696	39%	Dark Vessel (H3 Missing)	—
DET-2026041221-GULF-009	5.4551	100.3219	38%	Dark Vessel (H3 Missing)	—

SECTION 02

Per-Vessel Intelligence

Each vessel card below shows the SAR chip, AIS status, and fused confidence score.

Vessel #1 • Dark Vessel (H3 Missing) • DET-2026041221-GULF-000

[chip not available]	Lat: 4.7230°N Lon: 99.4748°E Conf: 65% MMSI: — Det ID: DET-2026041221-GULF-000
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Vessel #2 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-001

[chip not available]	Lat: 4.1663°N
	Lon: 100.6406°E
	Conf: 56%
	MMSI: —
	Det ID:
	DET-2026041221-GULF-001

Vessel #3 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-002

[chip not available]	Lat: 5.5081°N
	Lon: 100.3746°E
	Conf: 46%
	MMSI: —
	Det ID:
	DET-2026041221-GULF-002

Vessel #4 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-003

[chip not available]	Lat: 5.6913°N
	Lon: 100.3552°E
	Conf: 45%
	MMSI: —
	Det ID:
	DET-2026041221-GULF-003

Vessel #5 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-004

[chip not available]	Lat: 4.5260°N
	Lon: 100.6265°E
	Conf: 45%
	MMSI: —
	Det ID:
	DET-2026041221-GULF-004

Vessel #6 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-005

[chip not available]	Lat: 5.4580°N
	Lon: 100.3093°E
	Conf: 44%
	MMSI: —
	Det ID:
	DET-2026041221-GULF-005

Vessel #7 · Dark Vessel (H3 Missing) · DET-2026041221-GULF-006

[chip not available] **Lat:** 6.2610°N
Lon: 100.1936°E
Conf: 39%
MMSI: —
Det ID:
DET-2026041221-GULF-007

[chip not available]

Lat: 5.2526°N
Lon: 100.2696°E
Conf: 39%
MMSI: —
Det ID:
DET-2026041221-GULF-008

[chip not available]

Lat: 5.4551°N
Lon: 100.3219°E
Conf: 38%
MMSI: —
Det ID:
DET-2026041221-GULF-009

Cross-reference within 2 km / ±30 min of scene midpoint. Dark = no AIS. Uncertain = AIS gap at acquisition time.
Matched = confirmed transponder.

FALSE COLOUR

Chip extraction: VV→R, VH→G, (VV–VH)→B, 300×300 px per vessel, 10 m native resolution.

MISSION ID	MISSION_GULF_OF_KUTCH_20260412T213702
REPORT PRODUCED	2026-05-26T16:21:10Z
PIPELINE	Dark Ships v1.0 · Phase 3 Validated (2026-04-13)
VESSELS IN REPORT	10
CLASSIFICATION	SENSITIVE — INTELLIGENCE PRODUCT